FT-901DM

PARTS LIST

YAESU MUSEN CO., LTD.

TOKYO JAPAN.

MAIN CHASSIS

Symbol No.	Parts No.	Description
		IC
Q1, 2	25000116	μPC 14308
Q4	25000068	μPC 14312
		DIODE
D10, 16, 18, 19	21010070	Germanium 1S1007
D1~3, 9, 11~15, 17	21015550	Silicon 1S1555
D5~7	21090011	〃 10D1
		RESISTOR
R5	41143821	Carbon film 1/4W TJ 820Ω
	40143102	〃 〃 〃 VJ 1 kΩ
R6	41143332	〃 〃 〃 TJ 3.3kΩ
R19	41143472	〃 〃 〃 〃 4.7kΩ
R2	40143273	〃 〃 〃 VJ 27kΩ
R1	41143104	〃 〃 〃 TJ 100kΩ
R4, 16	42124100	〃 composition 1/2W GK 10Ω
R11, 12 (L6, 7)	42124560	〃 〃 1W 〃 56Ω
R34	42104222	〃 〃 〃 2.2kΩ
R3, 18, 30	42124101	〃 〃 1/2W GK 100Ω
	42124221	〃 〃 〃 〃 220Ω
R20	42124561	〃 〃 〃 〃 560Ω
R7, 9, 17	42124102	〃 〃 〃 〃 1kΩ
R8, 34	42124222	〃 〃 〃 〃 2.2kΩ
	42124272	〃 〃 〃 〃 2.7kΩ
R33	42124103	〃 〃 〃 〃 10kΩ
R14	42124123	〃 〃 〃 〃 12kΩ
R13, 29	42124223	〃 〃 〃 〃 22kΩ
R26	43204220	Metallic film 2W 22Ω
R10	43304240	〃 〃 3W 24Ω
		POTENTIOMETER
VR1	49800085	VM11M5M 1112 10kΩA
VR2	49800086	DM11A5M 1222 10kΩB/500kΩC
VR3, 6	49800087	DM10A 5kΩB/5kΩB
VR4	49800088	GM70A 50kΩB/50kΩB
VR5	49800089	DM70A 5kΩA/5kΩB
VR7	49800091	VM10A 1kΩB
VR8	49800092	DM10E 5kΩB/5kΩB
		CAPACITOR
C69	31820200	Ceramic disc 50WV 20PF CH
C30	31820470	〃 〃 〃 47PF 〃
C5	31249301	〃 〃 1.5KV 300PF
C16	31249030	〃 〃 3KV 3PF
C0103	30810104	〃 〃 25WV 0.1μF
C29, 45, 60.89 90,0104.0105	30820103	〃 〃 50WV 0.01μF
C17,18.19.37, 38,46,48~50	30820473	〃 〃 〃 0.047μF

52~56, 58,59,62~68, 71~73,75,81, 82,88,91,96, 98, 99, 0101, 0102	30820473	Ceramic disc 50WV 0.047μF
C35, 36	30830472	Ceramic disc 500WV 0.0047μF
C77, 79, 80, 83	30830103	〃 〃 〃 0.01μF
C14, 15	30240472	〃 〃 1.4KV 0.0047μF
C12, 13, 44, 78, 92	30240103	〃 〃 〃 0.01μF
C31	33821020	Dipped mica 50WV 1PF
C41	33821201	〃 〃 〃 200PF
C11	33834050	〃 〃 500WV 5PF
C87	33834100	〃 〃 〃 10PF
C1, 42	33834271	〃 〃 〃 270PF
C39	33834351	〃 〃 〃 350PF
C3	33834471	〃 〃 〃 470PF
C9	33834651	〃 〃 〃 650PF
C8	33834102	〃 〃 〃 1000PF
C2	33844391	〃 〃 1KWV 390PF
C7	33844222	〃 〃 〃 2200PF
C40, 47	33147101	Moulded mica 〃 100PF
C70	33147201	〃 〃 〃 200PF
C4	33197102	〃 〃 6KV 1000PF
C84	36835473	Mylar 250WV 0.047μF
C20~28, 51	32830102	Feed thru 500WV 0.001μF
	34220105	Electrolytic 16WV 1μF
C61	34220106	〃 〃 10μF
C57	34220336	〃 〃 33μF
C100	35220107	〃 〃 100μF
C34, 43	34220227	〃 〃 220μF
	34320477	〃 25WV 470μF
		VARIABLE CAPACITOR
VC1	39000058	RT-18-300VC
VC2	39000061	C134E125
		TRIMMER CAPACITOR
TC1	39000072	120C 10x2 1.5KV 5PF
TC2	39000016	B-2PY 100PF
		INDUCTOR
L1	55003214	#220304B
L2	55003215	#220305
L4	53020001	Microindicator FL-5H 1mH
L11, 12, 14	53010003	〃 250μH
L5	53040001	250μH #220100
L8	54000040	300μH #220064
L6, 7 (R11, R12)	55003216	#220308
L9	55000490	#220009
L10	54000050	500μH #220065
L13		#220349A
		TRANSFORMER
T1	55000450	#220073
T2	55000460	#220011

T3	55000500	L220074
		METER
M1 (with R1706,PL3,4)	75000350	500μA #250007
		SPEAKER
SP1	75000018	SA-77K-Y 4Ω 3W
		POWER TRANSFORMER
PT1	52000051	#230013A
		RELAY
RL1	70000013	AE 3244
RL2	70000002	MX2P 12V
		RELAY SOCKET
RS1	69000006	AE3840
RS2	69000003	PX08
		SWITCH
S1	61000450	RS-14-14-11
S2	61000460	GS-4-8-6
S3	64000007	WD9216
S4	64000006	WD92231
		PLUG
P1 (with Wire)	68080007	5047-08 #240032B
P2 (with Wire)	68070028	5047-07 #240052B
P3 (with Wire)	68170001	5047-17 #240034A
P8 (with Wire)	68160002	5047-16 #240035D
P4, 5, 6	67020007	SQ4052
P10	67020014	SQ4152
P7	67040002	SI5908 4P
P9	67020009	SI7502 2P
		CONNECTOR
J1	68030001	SG-7701
J2	68040003	FM-144-S
J3	68030002	SG-7814
J10, 11	68020001	CN-7017
J12~18	80040622	Jack Ass'y Board
J19	68020012	SG-8050
J4	67120009	QS-A-DB12ML
J5	67060006	D6-701B
J6	68070027	D7-701B
J8	68000011	M-BR-06B (D)
J20	67090003	AC9-PF
J7	68020010	SI-7501-I

J9	68110001	SA602B00
		MULTI JACK
MJ1~8	68180003	121S-18B-105A
MJ9	68220003	121S-22B-105A
MJ10	68100009	121S-10B-105A
MJ11, 12	68200002	220D-20B-205A
		COOLING FAN
FAN1	75000004	2SB10A
		FUSE
F1	73000004	5A (100~117V)
	73000003	3A (200~234V)
		FUSE HOLDER
FH1, 3	69030007	F3265
FH2	69030001	SN1001 #2
		PILOT LAMP
PL1	14000027	BF 311-04071A 14V 0.12A
PL2	14000028	BF 311-03011A 8V 0.15A
PL3, 4 (M1)		8V 0.055A
PB-1390	60413900	LED BOARD
D8	21090140	LED GD4-203-SRD

RF UNIT

Symbol No.	Parts No.	Description
	017022AZ	RF unit with Components
PB-1702B	60417022	P.C. Board
		FET & TRANSISTOR
Q102~105	22800195	FET 2SK19GR
Q101, 106, 107	23800401	MOS FET 3SK40M
Q108	22390006	Transistor 2N4427
		DIODE
D104	21010070	Germanium 1S1007
D101~103	21015550	Silicon 1S1555
		RESISTOR
R116, 131, 132	40143100	Carbon film 1/4W VJ 10Ω

R122	40143470	Carbon film 1/4W VJ 47Ω
R124	40143560	〃 〃 〃 〃 56Ω
R106, 107, 108, 113, 114, 121	40143101	〃 〃 〃 〃 100Ω
R117	40143151	〃 〃 〃 〃 150Ω
R123	40143181	〃 〃 〃 〃 180Ω
R112	40143331	〃 〃 〃 〃 330Ω
R111	41143331	〃 〃 〃 TJ 330Ω
R125, 126	40143391	〃 〃 〃 VJ 390Ω
R136	40143471	〃 〃 〃 〃 470Ω
R105,115,118	40143102	〃 〃 〃 〃 1kΩ
R119	40143222	〃 〃 〃 〃 2.2kΩ
R102, 129	40143272	〃 〃 〃 〃 2.7kΩ
R104, 109	40143562	〃 〃 〃 〃 5.6kΩ
R133	40143103	〃 〃 〃 〃 10kΩ
R135	40143223	〃 〃 〃 〃 22kΩ
R103	40143393	〃 〃 〃 〃 39kΩ
R130	40143563	〃 〃 〃 〃 56kΩ
R134	40143124	〃 〃 〃 〃 120kΩ
R101	42144225	〃 composition 1/4W GK 2.2MΩ
		CAPACITOR
C102, 106	31829101	Ceramic disc 50WV 100PF SL
C115	31820241	〃 〃 〃 240PF CH
C103, 104, 109,112,119, 120,123,124	30821103	〃 〃 〃 0.01μF YY
C105, 107, 108,110,111, 113,114,116 ~118, 122	30820103	〃 〃 〃 0.01μF
C101, 121	30820473	〃 〃 〃 0.047μF
C125	33821030	Dipped mica 〃 3PF
C127	33821040	〃 〃 〃 4PF
C126	34220106	Electrolytic 10WV TT 10μF
		TRIMMER CAPACITOR
TC101	39000006	ECV1ZW 10x40 10PF
		INDUCTOR
L101, 102	53020001	Micro inductor FL-5H 270μH
		TRANSFORMER
T101, 103	55003174	#220209
T102, 104	55003175	#220221
T105	55003176	#220210
		JACK
J101,102,103	68020021	SQ-3081

		SOCKET
QS101	68040007	FET socket 133-24-11-035

NB UNIT

Symbol No.	Parts No.	Description
	017032AZ	NB unit with components
PB-1703C	60417033	P.C. Board
		IC, FET & TRANSISTOR
Q 206	25000105	IC TA7060P
Q 201, 202	22800195	FET 2SK19GR
Q 209, 210,212	23800401	FET 3SK40M
Q 203	23800595	FET 3SK59GR
Q 204,205,207, 211	22318154	Transistor 2SC1815Y
		DIODE
D202, 203	21090107	Germanium 1N270
D201, 205, 208	21015550	Silicon 1S1555
D210	21090034	Zener WZ090
D204	21090036	Zener WZ110
		CRYSTAL
X201	71800088	HC-18/U 8532.5kHz #210043
		CRYSTAL FILTER
XF201	71000032	XF-8.9GS #210046
		RESISTOR
R254	40143560	Carbon film 1/4W VJ 56Ω
R204, 209, 217,218,221, 225,226,238, 243,244	40143101	〃 〃 〃 〃 100Ω
R252	41143101	〃 〃 〃 TJ 100Ω
R241	40143151	〃 〃 〃 VJ 150Ω
R216, 237, 260	40143331	〃 〃 〃 〃 330Ω
R203, 208, 251	40143471	〃 〃 〃 〃 470Ω
R210	40143561	〃 〃 〃 〃 560Ω
R211, 212, 215,222,228	40143102	〃 〃 〃 〃 1kΩ
R206	40143152	〃 〃 〃 〃 1.5kΩ
R213, 214, 250	40143222	〃 〃 〃 〃 2.2kΩ
R201, 259	40143332	〃 〃 〃 〃 3.3kΩ
R224	40143682	〃 〃 〃 〃 6.8kΩ
R205	40143822	〃 〃 〃 〃 8.2kΩ
R227, 248, 249	40143103	〃 〃 〃 〃 10kΩ
R258	40143123	〃 〃 〃 〃 12kΩ
R207	40143153	〃 〃 〃 〃 15kΩ
R223, 234	40143333	〃 〃 〃 〃 33kΩ
R257	40143393	〃 〃 〃 〃 39kΩ
R229, 246	40143473	〃 〃 〃 〃 47kΩ

R236, 240, 245, 247, 255, 256	40143104	Carbon film 1/4W VJ 100kΩ
R239	40143154	〃 〃 〃 〃 150kΩ
R235	40143224	〃 〃 〃 〃 220kΩ
R220	40143394	〃 〃 〃 〃 390kΩ
		POTENTIOMETER
VR201	49912102	V10K-8-1-2 1kΩB
VR203	49912202	〃 2kΩB
VR202	49912502	〃 5kΩB
		CAPACITOR
C201, 206, 216, 218, 225, 228, 238	31829101	Ceramic disc 50WV 100PF SL
C237	31829201	〃 〃 〃 200PF SL
C235	31829221	〃 〃 〃 220PF SL
C244	31829561	〃 〃 〃 560PF SL
C232	30820102	〃 〃 〃 0.001μF
C202, 203, 205, 207~213, 217, 219~224, 230, 231, 233, 234, 236, 240 ~243, 245, 246	30820103	〃 〃 〃 0.01μF
C215	30820473	〃 〃 〃 0.047μF
C214	34220226	Electrolytic 16WV TW 22μF
		INDUCTOR
L202	53020013	Micro inductor 150μH
		TRANSFORMER
T206, 207	54140970	R12-4097 #220101
T201, 202, 204, 205	54141700	R12-4170 #220141
T203	55003177	R12-1078 #220221
	91100008	Wrapping Terminal C

FILTER UNIT

Symbol No.	Parts No.	Description
	017162AZ	Filter unit with components
PB-1716B	60417162	P.C. Board
		FET & TRANSISTOR
Q301, 302, 304, 305	22800195	FET 2SK19GR
Q303	22303730	Transistor 2SC373
		DIODE
D301, 303~309	21010070	Germanium 1S1007
D302, 310,	21015550	Silicon 1S1555
D312	21090036	Zener WZ110
		CRYSTAL FILTER
XF301	71200017	8.9M-20A #210047
XF304	71000023	XF-8.9HS #210086
XF303	71000029	XF-8.9GA #210087 (OPTION)
XF302	71000021	XF-8.9HC #210088 (OPTION)
		RESISTOR
R301, 302, 309, 322	40143101	Carbon film 1/4W VJ 100Ω
R311, 316, 317	41143101	〃 〃 〃 TJ 100Ω
R304, 305	40143331	〃 〃 〃 VJ 330Ω
R327	40143561	〃 〃 〃 〃 560Ω
R308, 318, 319, 325	40143102	〃 〃 〃 〃 1kΩ
R306, 323	40143222	〃 〃 〃 〃 2.2kΩ
R326	40143272	〃 〃 〃 〃 2.7kΩ
R310, 312~315	40143332	〃 〃 〃 〃 3.3kΩ
R303	40143562	〃 〃 〃 〃 5.6kΩ
R324	40143103	〃 〃 〃 〃 10kΩ
R307	40143104	〃 〃 〃 〃 100kΩ
R320	42124560	〃 composition 1/2W GK 56Ω
		CAPACITOR
C304	31829101	Ceramic Disc 50WV 100PF SL
C302, 305, 324	30821103	〃 〃 〃 0.01μF YY
C301, 306, 307, 308, 311, 312, 315, 316, 321	30820103	〃 〃 〃 0.01μF
C309, 310, 313, 314, 317, 318, 319, 323, 327, 328	30820473	〃 〃 〃 0.047μF
C325	31820470	〃 〃 〃 47PF NPO
C303	34220106	Electrolytic 16WV TW 10μF
		INDUCTOR
L303~308, 311	53020013	Micro inductor FL5H 150μH
L302, 310	53010003	〃 〃 〃 250μH
		TRANSFORMER
T301~303	54141710	R12-4171 #220141

IF UNIT

Symbol No.	Part No.	Description
	017043AZ	IF unit with components
PB-1704C	60417043	P.C. Board
		FET & TRANSISTOR
Q408	22800195	FET 2SK19GR
Q401~404	23800401	〃 3SK40M
Q407	22105641	Transistor 2SA564A
Q409, 411	22303730	〃 2SC373
Q405	22305351	〃 2SC535A
Q412	22307354	〃 2SC735Y
Q406, 410	22318154	〃 2SC1815Y
		DIODE
D407	21090115	Germanium 1N60
D401, 408, 411, 412	21090107	〃 1N270
D402~405	21010070	〃 1S1007
D409, 413	21015550	Silicon 1S1555
D406, 410	21022090	Varactor 1S2209
		CRYSTAL
X402	71800111	HC-18/U 19.7485MHz #210043-2
X401	71800091	〃 8987.5MHz #210043-1
		CRYSTAL FILTER
XF402	71200017	8.9M20A #210047
XF401	71000024	XF-10GS #210090
		RESISTOR
R406, 409, 420, 433, 455	40143101	Carbon film 1/4W VJ 100Ω
R413, 414, 458	40143181	〃 〃 〃 〃 180Ω
R442	40143221	〃 〃 〃 〃 220Ω
R440	40143331	〃 〃 〃 〃 330Ω
R405, 418, 425, 432, 443	40143561	〃 〃 〃 〃 560Ω
R412	40143681	〃 〃 〃 〃 680Ω
R402, 407, 408, 415, 416, 444, 451, 454	40143102	〃 〃 〃 〃 1kΩ
R434, 445	40143152	〃 〃 〃 〃 1.5kΩ
R423	40143332	〃 〃 〃 〃 3.3kΩ
R410, 411	40143472	〃 〃 〃 〃 4.7kΩ
R435	40143562	〃 〃 〃 〃 5.6kΩ
R419, 450	40143682	〃 〃 〃 〃 6.8kΩ
R403, 404, 417, 421, 424, 427, 429~431, 447, 448, 453, 456	40143103	〃 〃 〃 〃 10kΩ

R438, 439	40143153	Carbon film 1/4W VJ 15kΩ
R422, 428, 437	40143473	〃 〃 〃 〃 47kΩ
R436	40143563	〃 〃 〃 〃 56kΩ
R441	40143104	〃 〃 〃 〃 100kΩ
R452	40143184	〃 〃 〃 〃 180kΩ
R446	40143334	〃 〃 〃 〃 330kΩ
R426, 449	40143105	〃 〃 〃 〃 1MΩ
	42144105	〃 composition 1/4W GK 1MΩ
		POTENTIOMETER
VR402	49912103	V10K-8-1-2 10kΩB
VR401	49912504	〃 500kΩB
		CAPACITOR
C401, 423, 446, 450	31829101	Ceramic disc 50WV 100PF SL
C437, 438	31827820	〃 〃 〃 82PF UJ
C436	31827101	〃 〃 〃 100PF UJ
C429	31820330	〃 〃 〃 33PF NPO
C448	31820470	〃 〃 〃 47PF NPO
C402, 405~407, 412, 413, 417, 418, 421, 425, 427, 428	30820103	〃 〃 〃 0.01μF YY
C403, 410, 411, 414, 415, 419, 424	30820102	〃 〃 〃 0.001μF
C430	30820222	〃 〃 〃 0.002μF
C420, 422, 426, 434, 439, 440, 443, 451	30820103	〃 〃 〃 0.01μF
C404, 408, 409, 416, 432, 433, 441, 447, 452~454, 456	30820473	〃 〃 〃 0.047μF
C444	36825223	Mylar 50WV 0.022μF
C442	36226225	Tantalum 16WV 2.2μF
C431	34220105	Electrolytic 16WV TW 1μF
C445, 449	34220106	〃 〃 〃 10μF
		INDUCTOR
L409	53020020	Micro inductor EL5H 15μH
L401, 402, 405	53020013	〃 〃 〃 150μH
L403, 404, 406, 407, 410	53020001	〃 〃 〃 1mH
L408	55003178	VXO coil 5.2μH #220145
		TRANSFORMER
T401	55003185	3005 #220187
T402, 403	54141700	R12-4170 #220140
T404	54141710	R12-4171 #220141
		RELAY
RL401	70000032	UFM-10208 8V

AF UNIT

Symbol No.	Parts No.	Description
	017051AZ	AF unit with components
PB-1705A	60417051	P.C. Board
		IC & TRANSISTOR
Q503	25000133	IC TA7205AP
Q504	25000125	IC MC3403P
Q506	25000128	IC 78L08
Q501, 502, 505, 507	22310005	Transistor 2SC1000GR
		RESISTOR
R523, 536	40143101	Carbon film 1/4W VJ 100Ω
R505	40143151	" " " " 150Ω
R516	40143561	" " " " 560Ω
R506	40143681	" " " " 680Ω
R507	40143102	" " " " 1kΩ
R512	40143222	" " " " 2.2kΩ
R504, 539	40143332	" " " " 3.3kΩ
R513, 514, 537	40143472	" " " " 4.7kΩ
R510, 511	40143822	" " " " 8.2kΩ
R538, 540, 541, 543	40143103	" " " " 10kΩ
R503	40143153	" " " " 15kΩ
R530, 545	40143333	" " " " 33kΩ
R508	40143393	" " " " 39kΩ
R502, 509, 515	40413473	" " " " 47kΩ
R534	40143823	" " " " 82kΩ
R517, 520, 522, 525, 526, 528, 535	40143104	" " " " 100kΩ
R519, 524, 527,	40143124	" " " " 120kΩ
R518, 521, 529	40143224	" " " " 220kΩ
		POTENTIOMETER
VR501	49800078	GM-70R 1MΩBx2
		CAPACITOR
C526, 535	32820102	Ceramic disc 50WV 0.001μF
C501, 534	30820103	" " " 0.01μF
C521	30820473	" " " 0.047μF
C512, 519	31829510	" " " 51PF SL
C514	31829391	" " " 390PF SL
	36825102	Mylar 50WV 0.001μF
C507	36825472	" " 0.0047μF
C523, 524	36825682	" " 0.0068μF
C506	36825103	" " 0.01μF
C516, 526	36825473	" " 0.047μF
C520, 530, 531, 536	36825104	" " 0.1μF
C502, 503, 509, 511, 522, 529,	34220105	Electrolytic 16WV TW 1μF
C532, 533	34220105	Electrolytic 16WV TW 1μF
C504	34220475	" " " 4.7μF
C528	35220106	" " " 10μF
C505, 508, 513	34120226	" 10WV " 22μF
C525	34120336	" " " 33μF
C517	34120476	" " " 47μF
C515	34120107	" " " 100μF
C518	34120477	" " " 470μF
		HEAT SINK
	80042802	(TA-7205)

VOX/MARKER UNIT

Symbol No.	Parts No.	Description
	018460AZ	VOX/Marker unit with components
PB-1846	40618460	P.C. Board (=PB-1685-3330)
		IC & TRANSISTOR
Q604	25000114	IC MC14011B
Q612	25000177	IC 4024PC
Q603	22105641	IC 2SA564A
Q602, 608~610, 615	22303730	Transistor 2SC373
Q607	22307354	Transistor 2SC735Y
Q601, 605, 606, 611, 613, 614	22318154	Transistor 2SC1815Y
		DIODE
D601, 605	21090115	Germanium 1N60
D603, 607~609	21015550	Silicon 1S1555
D602, 606	21090034	Zener WZ090
		CRYSTAL
X601	71600032	HC-6W 3200kHz #210026
		RESISTOR
R616	40143101	Carbon film 1/4W VJ 100Ω
R643	40143221	" " " " 220Ω
R620, 628	40143471	" " " " 470Ω
R605, 614, 625, 626, 636, 642, 646~650	40143102	" " " " 1kΩ
R615, 630, 640	40143222	" " " " 2.2kΩ
R637	40143392	" " " " 3.9kΩ
R604, 606, 632~634	40143472	" " " " 4.7kΩ
R627	40143562	" " " " 5.6kΩ
R601, 602, 607, 608, 612, 621,	40143103	" " " " 10kΩ

R623, 641, 652, 653	40143103	Carbon film 1/4W VJ 10kΩ
R603, 619, 629, 635, 639, 644, 645	40143223	" " " " 22kΩ
R624	40143393	" " " " 39kΩ
R 638	40143473	" " " " 47kΩ
R613	40143563	" " " " 56kΩ
R622	40143104	" " " " 100kΩ
R618, 631	40143683	" " " " 68kΩ
R609, 610	40143105	" " " " 1MΩ
R651	42124181	" composition 1/2W GK 180Ω
R611	42144335	" " " " 3.3MΩ
		POTENTIOMETER
VR603	49912103	V10K-8-1-2 10kΩB
VR601	49912503	" 50kΩB
VR602	49912504	" 500kΩB
		CAPACITOR
C632	31829030	Ceramic disc 50WV 3PF SL
C635	31829040	" " " 4PF SL
C634	31829101	" " " 100PF SL
C628	31820270	" " " 27PF CH
C631	31820271	" " " 270PF CH
C630	31820511	" " " 510PF CH
C613	30820102	" " " 0.001µF
C603, 620, 626, 629, 636	30820103	" " " 0.01µF
C638	30820473	" " " 0.047µF
C622~624	36825223	Mylar " 0.022µF
C608, 610, 616	36825473	" " 0.047µF
C606	36226105	Tantalum 16WV 1µF
C621	36226225	" " 2.2µF
C602, 605	36226106	" " 10µF
C612, 618	36226226	" " 22µF
C604, 611, 619	34220105	Electrolytic 16WV TW 1µF
C627	34220225	" " " 2.2µF
C625	34220475	" " " 4.7µF
C601, 609, 615, 617	34220106	" " " 10µF
C607, 614	34220226	" " " 22µF
C637	34220107	" " " 100µF
		TRIMMER CAPACITOR
TC601	39000007	ECV-1ZW 20x40 20PF
		SWITCH
S601	63000008	SS-12-04

CARRIER UNIT

Symbol No.	Parts No.	Description
	017061AZ	Carrier unit with components
PB-1706A	60417061	P.C. Board
		IC, FET & TRANSISTOR
Q705, 706	25000134	IC TA7063P
Q708	25000114	IC MC14011B
Q702	22800195	FET 2SK19GR
Q704	23800594	FET 3SK59Y
Q707	22303730	Transistor 2SC373
Q710	22310005	Transistor 2SC1000GR
Q701, 703, 709	22318154	Transistor 2SC1815Y
		DIODE
D701, 705~708, 723	21010070	Germanium 1S1007
D702~704, 709 ~713, 715, 719, 720, 724	21015550	Silicon 1S1555
D716, 718	21090034	Zener WZ090
D721, 722	21090111	Zener WZ050
		CRYSTAL
X701	71800085	HC-18/U 8986kHz #210042-1
X703	71800087	" 8988.3kHz #210042-3
X702	71800086	" 8989kHz #210042-2
		RESISTOR
R749, 753, 754	40143680	Carbon film 1/4W VJ 68Ω
	41143680	" " " TJ 68Ω
R716, 747, 752	40143101	" " " VJ 100Ω
	41143101	" " " TJ 100Ω
R729	40143121	" " " VJ 120Ω
R704, 707	40143151	" " " " 150Ω
R755	40143181	" " " " 180Ω
R708, 709	40143221	" " " " 220Ω
R721, 735	40143331	" " " " 330Ω
R738	40143391	" " " " 390Ω
R702	40143471	" " " " 470Ω
	40143681	" " " " 680Ω
R701, 710, 718, 727	40143102	" " " " 1kΩ
R715	40143222	" " " " 2.2kΩ
R717, 728, 745	40143332	" " " " 3.3kΩ
R705, 706	40143472	" " " " 4.7kΩ
R751	40143682	" " " " 6.8kΩ
R720, 731, 734, 737, 741, 756, 757	40143103	" " " " 10kΩ
R723	40143153	" " " " 15kΩ
R739, 746, 758	40143223	" " " " 22kΩ
R726	40143333	" " " " 33kΩ
R712, 719, 732	40143393	" " " " 39kΩ
R713	40143473	" " " " 47kΩ
R742	40143563	" " " " 56kΩ
R714, 736	40143823	" " " " 82kΩ

R703, 711, 725	40143104	Carbon film 1/4W VJ 100kΩ
R722, 733	40143154	〃 〃 〃 〃 150kΩ
R740, 744	40143105	〃 〃 〃 〃 1MΩ
R743	42144335	〃 composition 1/4W GK 3.3kΩ
		POTENTIOMETER
VR701	49910201	EVL SOAA 00B22 200ΩB
VR702	49910504	EVL SOAA 00B55 500kΩB
		CAPACITOR
C715	31829020	Ceramic disc 50WV 2PF SL
C721, 730	31829101	〃 〃 〃 100PF SL
C718, 719	31829241	〃 〃 〃 240PF SL
C710	31820200	〃 〃 〃 20PF CH
C705	31820270	〃 〃 〃 27PF CH
C713	31820270	〃 〃 〃 27PF CH*
C703, 704	31820390	〃 〃 〃 39PF CH
C708, 709	31820151	〃 〃 〃 150PF CH
C701, 702, 706, 707, 711, 712, 714, 716, 717, 735, 740, 746, 748, 751	30820103	〃 〃 〃 0.01μF
C739	30820473	〃 〃 〃 0.047μF
C723, 732	36825202	Mylar 〃 0.002μF
C720, 724, 727, 734	36825473	Mylar 〃 0.047μF
C725, 726, 736, 737, 741, 749, 752	34220105	Electrolytic 16WV TW 1μF
C731, 747	34220225	〃 〃 〃 2.2μF
C728, 733, 742 ~744	34220106	〃 〃 〃 10μF
C722, 738	34220226	〃 〃 〃 22μF
C750, 753	34220336	〃 〃 〃 33μF
C729	34220476	〃 〃 〃 47μF
		TRIMMER CAPACITOR
TC701~704	39000007	ECV-1ZW 20x40 20PF
TC705	39000009	ECV-1ZW 50x40 50PF
		INDUCTOR
L705	53020007	Micro inductor FL-5H 22μH
L706	53010003	〃 〃 250μH
L707	53020027	〃 〃 270μH
L701~704	53020001	〃 〃 FL-5H 1mH
		TRANSFORMER
T701	54141710	R12-4171 #220141
T702	54141700	R12-4170 #220140

		RELAY
RL701	70000031	BR-211AD012M 12V

VFO UNIT

Symbol No.	Parts No.	Description
		VFO assembly 3330
	014401BZ	PCB with components
PB-1440A-3330	60414401	P.C. Board
		FET & TRANSISTOR
Q802	22800195	FET 2SK19GR
Q801, 803	22303724	Transistor 2SC372Y
		DIODE
D801	21022360	Varactor 1S2236
		RESISTOR
R809, 811	40143101	Carbon film 1/4W VJ 100Ω
R807	40143221	〃 〃 〃 〃 220Ω
R805, 808	40143222	〃 〃 〃 〃 2.2kΩ
R802	40143332	〃 〃 〃 〃 3.3kΩ
R801	40143103	〃 〃 〃 〃 10kΩ
R803	40143183	〃 〃 〃 〃 18kΩ
R804	40143223	〃 〃 〃 〃 22kΩ
R806, 810	40143104	〃 〃 〃 〃 100kΩ
		CAPACITOR
C807	31820080	Ceramic disc 50WV 8PF CH
C801	31827080	〃 〃 〃 8PF UJ
C803	31827090	〃 〃 〃 9PF UJ
C804	31820180	〃 〃 〃 18PF CH
C808, 814	31820330	〃 〃 〃 33PF CH
C805, 818	31820390	〃 〃 〃 39PF CH
C809, 810, 812, 815, 819, 820, 824, 826	30820103	〃 〃 〃 0.01μF
C811	33824181	Dipped mica 〃 180PF
C813	33824431	〃 〃 〃 430PF
C821, 823	33824471	〃 〃 〃 470PF
C802, 822	33824102	〃 〃 〃 1000PF
C825	36226334	Tantalum 10WV 0.33μF
		VARIABLE CAPACITOR
VC801	39000027	C521

Symbol No.	Parts No.	Description
		TRIMMER CAPACITOR
TC801	39000070	TSN-100D 15PF
TC802	39000005	ECV-1ZW 50x32 50PF
		INDUCTOR
L801	55003184	#220268
L804, 805	53020014	Micro inductor FL-4H 1.8μH
L803, 806	53010003	" " 250μH
L802	53030001	" " S4102K 1mH
		RECEPTACLE
J802	68040001	SI-6303-1
		TERMINAL
	90000000	Lighthouse type
	91100008	Wrapping terminal C

FM UNIT

Symbol No.	Parts No.	Description
	017071AZ	FM unit with components
PB-1707A	60417071	P.C. Board
		IC, FET & TRANSISTOR
Q904, 909	25000099	IC TA7061AP
Q914	25000128	IC 78L08 ±10%
Q911	22800345	FET 2SK34E
Q901	23800401	FET 3SK40M
Q902, 903, 905, 906, 907, 908, 910, 912, 913	22318154	Transistor 2SC1815Y
		DIODE
D902, 903, 905, 906	21001880	Germanium 1S188FM
D901, 907, 910	21015550	Silicon 1S1555
D908	29090007	Varistor MV-13
D909	21090137	Varactor FC-63
		CRYSTAL
X902	71800091	HC-18/U 8987.5kHz
X901	71800092	HC-18/U 9442.5kHz
		CERAMIC FILTER
CF901, 902	71200016	LFB-15

Symbol No.	Parts No.	Description
		CERAMIC DISCRIMINATOR
CFD901	70900001	SFD-455-S4
		RESISTOR
R959	41143100	Carbon film 1/4W TJ 10Ω
R905, 958	40143560	" " " VJ 56Ω
R914, 917, 937, 938, 953, 957	40143101	" " " " 100Ω
R923	41143101	" " " TJ 100Ω
R916, 222	40143221	" " " VJ 220Ω
R915	40143331	" " " " 330Ω
R935, 956	40143471	" " " " 470Ω
R936, 944	40143561	" " " " 560Ω
R909	40143681	" " " " 680Ω
R913, 933, 939, 943, 952, 963	40143102	" " " " 1kΩ
R906, 918, 929, 934	40143152	" " " " 1.5kΩ
R901, 902, 945, 960	40143222	" " " " 2.2kΩ
R910, 949	40143272	" " " " 2.7kΩ
R903, 926, 927, 946, 954	40143332	" " " " 3.3kΩ
R912	40143392	" " " " 3.9kΩ
R919, 920, 928, 940, 942	40143562	" " " " 5.6kΩ
R908	40143822	" " " " 8.2kΩ
R947, 950	40143103	" " " " 10kΩ
R911	40143183	" " " " 18kΩ
R921, 930, 948, 951	40143223	" " " " 22kΩ
R955	40143273	" " " " 27kΩ
R904, 907, 961	40143473	" " " " 47kΩ
R932, 941, 962	40143563	" " " " 56kΩ
R924, 925	40143104	" " " " 100kΩ
R931	40143154	" " " " 150kΩ
		THERMISTOR
TH901	29090001	SDT-250
		POTENTIOMETER
VR903	49912202	V10-K8-1-2 2KB
VR901	49912203	" 20kΩB
VR902	49912503	" 50kΩB
		CAPACITOR
C901, 902, 903, 913, 963	30820102	Ceramic disc 50WV 0.001μF
C904, 905, 909, 910, 956, 961, 962, 964, 966 966	30820103	" " " 0.01μF
C926, 928, 967	30820473	" " " 0.047μF
C968	31829200	" " " 20PF CH
C957	33824030	Dipped mica " 3PF

C960	33824200	Dipped Mica 50WV 20PF
C907	33824470	〃 〃 〃 47PF
C927	33824500	〃 〃 〃 50PF
C930	33824101	〃 〃 〃 100PF
C958, 959	33824121	〃 〃 〃 120PF
C906, 908	33824151	〃 〃 〃 150PF
C955	33824221	〃 〃 〃 220PF
C911, 922, 940	36825102	Mylar 〃 0.001μF
C949	36825332	〃 〃 0.0033μF
C944	36825472	〃 〃 0.0047μF
C929, 931, 933, 965	36825103	〃 〃 0.01μF
C923, 924, 925, 938, 950, 952	36825223	〃 〃 0.02μF
C912, 914, 915, 916, 918, 919, 932, 951, 970	36825473	〃 〃 0.047μF
C954	36825104	〃 〃 0.1μF
C941	36526104	Tantalum 35WV 0.1μF
C936, 939, 947	34220105	Electrolytic 16WV TW 1μF
C934, 935	34220475	〃 〃 4.7μF
C937, 942, 953	34220106	〃 〃 10μF
C945, 946	34220226	〃 〃 22μF
C921, 943, 948	34220476	〃 〃 47μF
		TRIMMER CAPACITOR
TC901	39000006	ECV-1ZW 10x40 10PF
		INDUCTOR
L904, 905	53020013	Micro inductor 150μH
L901, 902, 903, 906	53020001	〃 〃 1mH
		TRANSFORMER
T901	55003084	#220188
T902	55003028	#221024
T903	54141700	R12-4170 #220140

RECT. A UNIT

Symbol No.	Parts No.	Description
	017080AZ	Rect. A unit with components
PB-1708	60417080	P.C. Board
		DIODE
D1001, 1002	21090022	Silicon V06B
D1003, 1004	21090019	〃 10D10
D1005, 1006	21015550	〃 1S1555

		RESISTOR
R1009, 1012	40143472	Carbon film 1/4W VJ 4.7kΩ
R1004, 1005	40143103	〃 〃 〃 〃 10kΩ
R1001	42124102	〃 composition 1/2W GK 1kΩ
	42124473	〃 〃 〃 〃 47kΩ
R1008	40143563	〃 film 1/4W VJ 56kΩ
R1011	42144225	〃 composition 1/4W GK 2.2MΩ
R1003	43104471	Metallic film 1W 470Ω
R1002	43104562	〃 〃 〃 5.6kΩ
R1013	43204473	〃 〃 〃 2W 47kΩ
		POTENTIOMETER
VR1001	49910103	V18K-3-2 10kΩB
		CAPACITOR
C1011, 1012	30820472	Ceramic disc 50WV 0.0047μF
C1009, 1010	30820103	〃 500WV 0.01μF
C1013	30820473	〃 50WV 0.047μF
C1008	33824222	Dipped mica 〃 2200PF
C1007	36526224	Tantalum 35WV 0.022μF
C1003~1006	35330226	Electrolytic 250WV TW 22μF
C1001, 1002	34329901	〃 25WV TT 3300μF
		AF CHOKE
CH1001	55000011	#230014

PLL UNIT

Symbol No.	Parts No.	Description
	017091AZ	PLL unit with components
PB-1709A	60417091	P.C. Board
		IC, FET & TRANSISTOR
Q1102	25000129	IC TA7310P
Q1106	25000130	IC SN75450B
Q1107	25000135	IC MC4044P (μPC1008C)
Q1111	25000132	IC 78L05±5%
Q1110	25000128	IC 78L08±10%
Q1104	22800195	FET 2SK19GR
Q1108	22303730	Transistor 2SC373
Q1101, 1103, 1105, 1109	22318154	Transistor 2SC1815Y
		DIODE
D1101~1103	21015550	Silicon 1S1555

		RESISTOR	
R1126	40143100	Carbon film 1/4W VJ	10Ω
R1113	40143560	〃 〃 〃 〃	56Ω
R1129	40143680	〃 〃 〃 〃	68Ω
R1107, 1128	40143101	〃 〃 〃 〃	100Ω
R1103	40143151	〃 〃 〃 〃	150Ω
R1105, 1114, 1121	40143102	〃 〃 〃 〃	1kΩ
R1122	40143152	〃 〃 〃 〃	1.5kΩ
R1110, 1112, 1115, 1116, 1118	40143222	〃 〃 〃 〃	2.2kΩ
R1119, 1120, 1123, 1124, 1127	40143472	〃 〃 〃 〃	4.7kΩ
R1111, 1125	40143223	〃 〃 〃 〃	22kΩ
R1104	40143473	〃 〃 〃 〃	47kΩ
R1109	40143683	〃 〃 〃 〃	68kΩ
R1117	40143104	〃 〃 〃 〃	100kΩ
		CAPACITOR	
C1110, 1113	31829270	Ceramic disc 50WV	27PF SL
C1116, 1135	31829390	〃 〃 〃	39PF SL
C1120	31829470	〃 〃 〃	47PF SL
C1112	31829560	〃 〃 〃	56PF SL
C1117	31829101	〃 〃 〃	100PF SL
C1105	31829151	〃 〃 〃	150PF SL
C1101, 1102, 1104, 1109, 1114, 1118, 1121, 1122	30820102	〃 〃 〃	0.001μF
C1103, 1107, 1108, 1115, 1124~1126, 1128, 1130, 1131, 1134	30820103	〃 〃 〃	0.01μF
C1119	36825104	Mylar 〃	0.1μF
C1132, 1133	36326685	Noise limiter 20WV	6.8μF
C1127, 1129	34220106	Electrolytic 16WV TW	10μF
		INDUCTOR	
L1105		Micro inductor EL4H J	12μH
L1103, 1104	53020028	〃 〃 EL5H	18μH
L1106	53020019	〃 〃 〃	22μH
L1108, 1109, 1111	53020021	〃 〃 〃	220μH
L1101, 1107, 1110	53020001	〃 〃 〃	1mH
		TRANSFORMER	
T1101	54141840	R12-4184	#220169
TP1101	91100008	Wrapping terminal C	

VCO UNIT

Symbol No.	Parts No.	Description	
	017101AZ	VCO unit with components	
PB-1710B	60417101	P.C. Board	
		FET & TRANSISTOR	
Q1201~1208	22800196	FET	2SK19BL
Q1209	23800401	FET	3SK40M
Q1210~1212	22318154	Transistor	2SC1815Y
		DIODE	
D1219, 1220	21090115	Germanum	1N60
D1209~1218	21015550	Silicon	1S1555
D1201~1208	21090138	Varactor	MV104
		RESISTOR	
R1256	40143220	Carbon film 1/4W VJ	22Ω
R1269, 1270	40143270	〃 〃 〃 〃	27Ω
R1235	4014370	〃 〃 〃 〃	47Ω
R1264, 1266	40143560	〃 〃 〃 〃	56Ω
R1201, 1205, 1208, 1212, 1215, 1219, 1222, 1226, 1228, 1229, 1233, 1236, 1240, 1242, 1246, 1248, 1252, 1254★ 1271▲	40143101	〃 〃 〃 〃	100Ω
R1257, 1258	40143151	〃 〃 〃 〃	150Ω
R1207, 1214, 1221, 1254▲	40143561	〃 〃 〃 〃	560Ω
R1255, 1261	40143102	〃 〃 〃 〃	1kΩ
R1206, 1213, 1220, 1227, 1234, 1241, 1247, 1253	40143222	〃 〃 〃 〃	2.2kΩ
R1262	40143472	〃 〃 〃 〃	4.7kΩ
R1267	40143562	〃 〃 〃 〃	5.6kΩ
R1263, 1265	40143473	〃 〃 〃 〃	47kΩ
R1260	40143823	〃 〃 〃 〃	82kΩ
R1203, 1204, 1210, 1211, 1216~1218, 1224, 1225, 1231, 1232, 1238, 1239, 1244, 1245, 1250, 1251, 1268, 1272▲	40143194	〃 〃 〃 〃	100kΩ
R1259	40143474	〃 〃 〃 〃	470kΩ

▲ 5MHz WWV
★ 15MHz WWV

		CAPACITOR
C1275	31827050	Ceramic disc 50WV 5PF UJ
C1242, 1250	31827150	〃 〃 〃 15PF UJ
C1211, 1257	31827200	〃 〃 〃 20PF UJ
C1226, 1258	31827220	〃 〃 〃 22PF UJ
C1234	31827240	〃 〃 〃 24PF UJ
C1218, 1219	31827270	〃 〃 〃 27PF UJ
C1204, 1210	31827390	〃 〃 〃 39PF UJ
C1205, 1213, 1220, 1259	31827470	〃 〃 〃 47PF UJ
C1203	31827101	〃 〃 〃 100PF UJ
C1235	31820010	〃 〃 〃 1PF CH
C1212, 1276	31820020	〃 〃 〃 2PF CH
C1227, 1277★	31820100	〃 〃 〃 10PF CH
C1243, 1251	31820120	〃 〃 〃 12PF CH
C1233	31820150	〃 〃 〃 15PF CH
C1225, 1241, 1249, 1257★	31820200	〃 〃 〃 20PF CH
C1228, 1236, 1244, 1252	31820470	〃 〃 〃 47PF CH
C1201, 1202, 1207~1209, 1215~1217, 1222~1224, 1230~1232, 1238~1240, 1246~1248 1254~1256, 1261, 1262, 1265, 1267, 1269	30820102	〃 〃 〃 0.001μF
C1206, 1214, 1221, 1229, 1237, 1245, 1253, 1260, 1263, 1264, 1266, 1268, 1270~1273	30820103	〃 〃 〃 0.01μF
C1274	34220106	Electrolytic 16WV TW 10μF
		INDUCTOR
L1203~1211	53020021	Micro inductor FL5H 220μH
		TRANSFORMER
T1201, 1202	55003179	#220294
T1203	55003180	#220297
T1204, 1308★	55003181	#220295
T1205~1207	55003182	#220296
T1308▲	55003183	#220293

XTAL UNIT

Symbol No.	Parts No.	Description
	017111AZ	Xtal unit with components
PB-1711A	60417111	P.C. Board

		TRANSISTOR
Q1301~1310	22303724	Transistor 2SC372Y
		DIODE
	21010070	Germanium 1S1007
D1301, 1303~1310	21015550	Silicon 1S1555
		CRYSTAL
X1301	71500164	(160m) 15.9875MHz #210041-1
X1302	71500165	(80m) 17.9875MHz #210041-2
X1303	71500166	(40m) 21.4875MHz #210041-3
X1304	71500167	(20m) 28.4875MHz #210041-4
X1305	71500168	(15m) 35.4875MHz #210041-5
X1306	71500169	(10A) 42.4875MHz #210041-6
X1307	71500170	(10B) 42.9875MHz #210041-7
X1308	71500171	(10C) 43.4875MHz #210041-8
X1309	71500172	(10D) 43.9875MHz #210041-9
X1310★	71500183	(15MHz WWV) 29.4875MHz #210078-11
X1310▲	71500173	(5MHz WWV) 19.4875MHz #210078-10
		CRYSTAL SOCKET
XS1301~1310	69010012	SD0105 1P
		RESISTOR
R1326, 1331, 1336, 1341	40143470	Carbon film 1/4W VJ 47Ω
R1301, 1305, 1310, 1315, 1320, 1321, 1325, 1330, 1335, 1340, 1345, 1350	40143101	〃 〃 〃 〃 100Ω
R1316, 1346★	40143221	〃 〃 〃 〃 220Ω
R1306, 1311, 1346▲	40143331	〃 〃 〃 〃 330Ω
R1304, 1309, 1314, 1319, 1324, 1329, 1334, 1339, 1344, 1349	40143561	〃 〃 〃 〃 560Ω
R1351	40143681	〃 〃 〃 〃 680Ω
R1302, 1307, 1312, 1317, 1322, 1327, 1332, 1337, 1342, 1347	40143332	〃 〃 〃 〃 3.3kΩ
R1303, 1308, 1313, 1318, 1323, 1328, 1333, 1338, 1343, 1348	40143153	〃 〃 〃 〃 15kΩ

		CAPACITOR
C1342~1351	31820080	Ceramic disc 50WV 8PF CH
C1321, 1325, 1329, 1333	31820330	" " " 33PF CH
C1314, 1318, 1322, 1326, 1330, 1334 1338★	31820390	" " " 39PF CH
C1317	31820470	" " " 47PF CH
C1310	31820680	" " " 68PF CH
C1313, 1337★	31820820	" " " 82PF CH
C1306, 1338▲	31820101	" " " 100PF CH
C1302, 1309	31820151	" " " 150PF CH
C1337▲	31820181	" " " 180PF CH
C1305	31820221	" " " 220PF CH
C1301	31820271	" " " 270PF CH
C1341	30820102	" " " 0.001μF
C1303, 1304, 1307, 1308, 1311, 1312, 1315, 1316, 1319, 1320, 1323, 1324, 1327, 1328, 1331, 1332, 1335, 1336, 1339, 1340	30820103	" " " 0.01μF
		TRANSFORMER
T1301~1310	55003217	#220017
		MINI CONNECTOR
MJ1301	68170001	5048-17A

RECT. B BOARD

Symbol No.	Parts No.	Description
	017121AZ	Rect. B board with components
PB-1712A	60417121	P.C. Board
		DIODE
D1401~1404	21090019	Silicon 10D10
		RESISTOR
R1401~1406	42124474	Carbon composition 1/2W GK 470kΩ
	91100008	Wrapping terminal C

CAPACITOR BOARD

Symbol No.	Parts No.	Description
	017130AZ	Capacitor board with components
PB-1713	60417130	P.C. Board
		CAPACITOR
C1501, 1502	34839902	Electrolytic 500WV 100μF (CE-62L)

DRIVER BOARD

Symbol No.	Parts No.	Description
	017140AZ	Driver board with components (without vacuum tube)
PB-1714A	60417141	P.C. Board
		VACUUM TUBE
V1601	10000020	12BY7A
		VACUUM TUBE SOCKET
VS1601	68090006	SB-9403
		RESISTOR
R1605	42124470	Carbon composition 1/2W GK 47Ω
R1602, 1604	42124560	" " " " 56Ω
R1603	42124101	" " " " 100Ω
R1601	42124473	" " " " 47kΩ
		CAPACITOR
C1601, 1602	30820103	Ceramic disc 500WV 0.01μF
C1603, 1604, 1606	30820473	" " 50WV 0.047μF
C1605	33834102	Dipped mica 500WV 1000PF
		INDUCTOR
L1601	53020013	Micro inductor FL5H 150μH
L1602(R1602)	55003219	#220029
	91100008	Wrapping terminal B

FINAL BOARD

Symbol No.	Parts No.	Description
	017151AZ	Final board with components
PB-1715A	60417151	P.C. Board
		VACUUM TUBE
V1701, 1702		6146B
		VACUUM TUBE SOCKET
VS1701, 1702	68080006	SB-3606
		RESISTOR
R1701, 1702 (L1702, 1703)	42124560	Carbon composition 1/2W GK 56Ω
R1703, 1704, 1705	42124101	〃 〃 〃 〃 100Ω
R1706		Meter shunt
		CAPACITOR
C1704, 1710	30820103	Ceramic disc 500WV 0.01μF
C1705~1709, 1711, 1712	30820473	〃 50WV 0.047μF
C1703	30830102	〃 500WV 1000PF
C1701	33147101	Moulded mica 1kWV 100PF
C1702	33831050	Dipped mica 500WV 5PF
		INDUCTOR
L1701	53020013	Micro inductor 150μH
L1704	53020015	Micro inductor 560μH
L1702, 1703 (R1701, 1702)	53003220	RF choke #220307
	91100008	Wrapping terminal C

RECT. C UNIT

Symbol No.	Parts No.	Description
	017171AZ	Rect. C unit with components
PB-1717A	60417171	P.C. Board

		IC. TRANSISTOR
Q1801	25000074	IC TA7089M
Q1804	22106390	Transistor 2SA639
Q1803	22107330	Transistor 2SA733
Q1805, 1806	22318155	Transistor 2SC1815GR
		DIODE
D1801, 1802	21090019	Silicon 10D10
D1803~1808	21015550	Silicon 1S1555
		RESISTOR
R1810	40143479	Carbon film 1/4W VJ 4.7Ω
R1815	40143471	〃 〃 〃 〃 470Ω
R1812	40143472	〃 〃 〃 〃 4.7kΩ
R1813, 1814, 1817, 1818	40143103	〃 〃 〃 〃 10kΩ
R1816	40143223	〃 〃 〃 〃 22kΩ
R1801, 1802, 1804, 1805	42124474	Carbon composition 1/2W GK 470kΩ
R1803, 1809	43204471	Metallic film 2W 470Ω
R1808	43304332	〃 〃 3W 3.3kΩ
R1806	43304153	〃 〃 〃 15kΩ
R1807	43304473	〃 〃 〃 47kΩ
		POTENTIOMETER
VR1801	49915502	V10K-8-1-2 5kΩB
		CAPACITOR
C1801, 1807	30240472	Ceramic disc 500WV 0.0047μF
C1810	36825223	Mylar 50WV 0.022μF
C1811	34220106	Electrolytic 16WV TW 10μF
C1806	35330106	〃 250WV TW 10μF
C1808, 1809	34350226	〃 350WV TW 22μF
C1802~1805	34330476	〃 250WV TW 47μF

SELECT SWITCH BOARD

Symbol No.	Parts No.	Description
	017182AZ	Select switch board with components
PB-1718B	60417182	P.C. Board
		TRANSISTOR
Q1901, 1902	22318154	Transistor 2SC1815Y
		DIODE
D1901, 1902	21090011	Silicon 10D1

Symbol No.	Parts No.	Description
		RESISTOR
R1901, 1902	40143103	Carbon film 1/4W VJ 10kΩ
		CAPACITOR
C1901	34220106	Electrolytic 16WV TW 10μF
		RELAY
RL1901, 1902	70000031	BR211AD012M 12V
		SWITCH
S1901~1906	65000039	6B0002CC2060
	91100008	Wrapping terminal C

LEVER SWITCH BOARD

Symbol No.	Parts No.	Description
	017191AZ	Lever switch board with components
PB-1719B	60417191	P.C. Board
		RESISTOR
R2001	41143821	Carbon film 1/4W TJ 820Ω
		SWITCH
S2001	64000103	SLE 62251
S2002	64000102	SLE 64301
S2003, 2004, 2005	64000101	SLE 62301

TUNE SWITCH BOARD

Symbol No.	Parts No.	Description
	017202AZ	Tune switch board with components
PB-1720B	60417202	P.C. Board
		TRANSISTOR
Q2102, 2103	22107330	Transistor 2SA733
Q2101	22318154	Transistor 2SC1815Y

Symbol No.	Parts No.	Description
		DIODE
D2101~2103	20900140	LED GD4-203SRD
D2104, 2108	21090011	Silicon 10D1
D2105~2107, 2109~2112	21015550	Silicon 1S1555
		RESISTOR
R2105, 2107	40143560	Carbon film 1/4W VJ 56Ω
R2106	40143221	〃 〃 〃 〃 220Ω
R2111	40143821	〃 〃 〃 〃 820Ω
R2102	40143102	〃 〃 〃 〃 1kΩ
R2101, 2104, 2108	40143152	〃 〃 〃 〃 1.5kΩ
R2103	40143472	〃 〃 〃 〃 4.7kΩ
R2112, 2113	40143102	〃 〃 〃 〃 10kΩ
R2109	40143122	〃 〃 〃 〃 12kΩ
R2110	40143222	〃 〃 〃 〃 22kΩ
		POTENTIOMETER
VR2101	49912471	V10K-8-1-2 470ΩB
		CAPACITOR
C2102	30820473	Ceramic disc 50WV 0.047μF
C2101	34220107	Electrolytic 16WV TW 100μF
		RELAY
RL2101, 2102	70000031	BR211AD012M 12V
		SWITCH
S2101~2105	65000035	5B0001FC2060
	91100008	Wrapping terminal C

LED A BOARD

Symbol No.	Parts No.	Description
	017212AZ	LED A board with components
PB-1721B	60417212	P.C. Board
		DIODE
D2201~2206	20900140	LED GD4-203SRD

		RESISTOR
R2203	41143271	Carbon film 1/4W TJ 270Ω
R2202	41143821	〃 〃 〃 〃 820Ω
R2201	41143152	〃 〃 〃 〃 1.5kΩ

REJECT SWITCH BOARD

Symbol No.	Parts No.	Description
	017222AZ	Reject switch board with components
PB-1722B	60417222	P.C. Board
		DIODE
D2301	20900140	LED GD4-203SRD
		RESISTOR
R2301	40143152	Carbon film 1/4W VJ 1.5kΩ
		POTENTIOMETER
VR2301	49915502	V10K-8-1-2 5kΩB
		SWITCH
S2301	65000034	1B0001AC2060

TRIMMER A BOARD

Symbol No.	Parts No.	Description
	017232AZ	Trimmer board A with components
PB-1723B	60417232	P.C. Board
		TRANSISTOR
Q2401	22307354	Transistor 2SC735Y
Q2402	22318154	Transistor 2SC1815Y
		DIODE
D2402	21015550	Silicon 1S1555
		RESISTOR
R2401, 2402	40143103	Carbon film 1/4W VJ 10kΩ
		CAPACITOR
C2407	30820103	Ceramic disc 50WV 0.01μF
C2409	33824100	Dipped mica 〃 10PF
C2405	33824120	〃 〃 〃 12PF
C2403, 2404	33824680	〃 〃 〃 68PF
C2402	33824271	〃 〃 〃 270PF
C2401	33824821	〃 〃 〃 820PF
C2406	34220336	Electrolytic 16WV TW 33μF
		TRIMMER CAPACITOR
TC2401	39000018	B7P 420PF
TC2407	39000001	ECV-1ZW 10x32 10PF
TC2406	39000002	ECV-1ZW 20x32 20PF
TC2402~2405	39000005	ECV-1ZW 50x32 50PF
		TRANSFORMER
T2401	55003292	#220303A
T2402	55003222	#220261

TRIMMER B BOARD

Symbol No.	Parts No.	Description
	017242AZ	Trimmer B board with components
PB-1724B	60417242	P.C. Board
		RESISTOR
R2501, 2502	40143682	Carbon film 1/4W VJ 6.8kΩ
		CAPACITOR
C2503	33824330	Dipped mica 50WV 33PF
C2504	33824680	〃 〃 〃 68PF
C2502	33824271	〃 〃 〃 270PF
C2501	33824821	〃 〃 〃 820PF
		TRIMMER CAPACITOR
TC2501	39000018	B7P 420PF
TC2506, 2507	39000002	ECV-1ZW 10x32 10PF
TC2502~2505	39000005	ECV-1ZW 50x32 50PF
		TRANSFORMER
T2501	55003292	#220303A
T2502	55003222	#220261

TRIMMER C BOARD

Symbol No.	Parts No.	Description
	010920BZ	Trimmer C board with components
PB-1092-3330	60610920	P.C. Board
		RESISTOR
R2601	42124333	Carbon composition 1/2W TJ 33kΩ
		CAPACITOR
C2605	33834100	Dipped mica 500WV 10PF
C2603	33834300	〃 〃 〃 30PF
C2604	33834500	〃 〃 〃 50PF
C2602	33834221	〃 〃 〃 220PF
C2601	33834821	〃 〃 〃 820PF
		TRIMMER CAPACITOR
TC2603~2605	39000017	B-1P1 40PF
TC2602	39000016	B-2PY 100PF
TC2601	39000018	B-7P 420PF

KEYER UNIT

Symbol No.	Parts No.	Description
	017281AZ	Keyer unit with components
PB-1728A	60417281	P.C. Board
		IC & TRANSISTOR
Q2701	25000137	IC 8043
Q2702	22318154	Transistor 2SC1815Y
		DIODE
D2701~2706	21090115	Germanium 1N60
		RESISTOR
R2705	40143102	Carbon film 1/4W VJ 1kΩ
R2704	40143332	〃 〃 〃 〃 3.3kΩ
R2708	40143472	〃 〃 〃 〃 4.7kΩ
R2703	40143393	〃 〃 〃 〃 39kΩ
R2706	40143473	〃 〃 〃 〃 47kΩ
R2707	40143563	〃 〃 〃 〃 56kΩ
R2701, 2702	40143104	〃 〃 〃 〃 100kΩ
		POTENTIOMETER
VR2702	49905104	SR19R 100kΩB
VR2701	49905105	SR19R 1MΩB
		CAPACITOR
C2703	30820473	Ceramic disc 50WV 0.047μF
C2701, 2702	36825104	Mylar 50WV 0.1μF
C2705	36526204	Tantalum 35WV 0.2μF
C2706, 2707	36526684	〃 〃 0.68μF
C2704	34220226	Electrolytic 16WV 22μF
		MINI CONNECTOR
MJ2701	67080006	5048-8A

MEMORY UNIT

Symbol No.	Parts No.	Description
	017870AZ	Memory board with components
PB-1787	60417870	P.C. Board
		IC, FET & TRANSISTOR
Q2820	25000149	IC LM308
Q2821	25000135	IC MC4044P (μPC1008C)
Q2822~2826	25000090	IC MC14042B
Q2812	25000147	IC MM74C90
Q2811	25000146	IC MSM5562
Q2818	25000172	IC NJM78L05
Q2816, 2817	25000175	IC NJM78L08
Q2813	25000140	IC SN74LS00N
Q2814, 2833	25000141	IC SN74LS04N
Q2832	25000151	IC SN74LS123N
Q2827~2831	25000150	IC SN74LS192N
Q2815	25000148	IC TC5032P
Q2819, 2834	25000109	IC μPC14305
Q2801, 2802, 2805, 2806	22890017	FET JF1033B
Q2809	23800401	FET 3SK40M
Q2807	22303724	Transistor 2SC372Y
Q2803, 2804, 2810	22307853	Transistor 2SC785O
Q2808	22390001	Transistor MPS A13
		DIODE
D2804, 2805	21001880	Germanium 1S188FM
D2801~2803	21015550	Silicon 1S1555
D2806, 2807	21090141	Varactor MV104
D2808	21090145	Zener WZ060

		CRYSTAL
X2801	71800092	HC-18/U 3276.8kHz
		RESISTOR
R2863	40143271	Carbon film RD 1/4F 2.7Ω
R2860	40143339	〃 〃 〃 〃 3.3Ω
R2825	40143220	〃 〃 〃 〃 22Ω
R2805, 2808, 2822, 2824	40143101	〃 〃 〃 〃 100Ω
R2813	40143121	〃 〃 〃 〃 120Ω
R2809, 2821	40143221	〃 〃 〃 〃 220Ω
R2804, 2817	40143391	〃 〃 〃 〃 390Ω
R2826, 2831, 2840	40143471	〃 〃 〃 〃 470Ω
R2835	40143102	〃 〃 〃 〃 1kΩ
R2818 2849	40143152	〃 〃 〃 〃 1.5kΩ
R2842, 2855	40143272	〃 〃 〃 〃 2.7kΩ
R2815, 2832, 2834, 2837	40143332	〃 〃 〃 〃 3.3kΩ
R2810, 2843, 2857, 2861	40143472	〃 〃 〃 〃 4.7kΩ
R2853	40143562	〃 〃 〃 〃 5.6kΩ
R2827, 2848	40143822	〃 〃 〃 〃 8.2kΩ
R2844, 2846, 2847, 2850~2852	40143103	〃 〃 〃 〃 10kΩ
R2811	40143123	〃 〃 〃 〃 12kΩ
R2828, 2829	40143153	〃 〃 〃 〃 15kΩ
R2838	40143223	〃 〃 〃 〃 22kΩ
R2812, 2858, 2859	40143333	〃 〃 〃 〃 33kΩ
R2836	40143473	〃 〃 〃 〃 47kΩ
R2803, 2806, 2820	40143563	〃 〃 〃 〃 56kΩ
R2854, 2862	40143823	〃 〃 〃 〃 82kΩ
R2801, 2802, 2814, 2816, 2823, 2830, 2833, 2839, 2841, 2856	40143104	〃 〃 〃 〃 100kΩ
R2807, 2819	40143334	〃 〃 〃 〃 330kΩ
R2845	40143394	〃 〃 〃 〃 390kΩ
		POTENTIOMETER
VR2801, 2802	49800093	PN822H103H 10kΩB
		CAPACITOR
C2849	31829101	Ceramic disc 50WV 100PF SL
C2807	31820240	〃 〃 〃 24PF CH
C2828	31820390	〃 〃 〃 39PF CH
C2827	31820470	〃 〃 〃 47PF CH
C2805	31820151	〃 〃 〃 150PF CH
C2804	31827100	〃 〃 〃 10PF UJ
C2803	31827470	〃 〃 〃 47PF UJ

C2802	31827271	Ceramic disc 50WV 270PF UJ
C2821, 2823	38820471	〃 〃 〃 470PF (2222-660-02-471)
C2822	38820102	〃 〃 〃 0.001μF (RD200YZ1-2P)
C2801, 2806, 2808, 2811, 2813~2815, 1818~2820, 2829~2832, 2839, 2856, 2859, 2867	38820103	〃 〃 〃 0.01μF (RD204YM103P)
C2868,2869,2871	30820473	〃 〃 〃 0.047μF
C2810	33821050	Dipped mica 〃 5PF
C2860	33824150	〃 〃 〃 15PF
C2816	33824470	〃 〃 〃 47PF
C2812, 2817	33824510	〃 〃 〃 51PF
	33824820	〃 〃 〃 82PF
C2834	36825332	Mylar 〃 0.0033μF
C2837	36825473	〃 〃 0.047μF
C2847, 2848, 2853	36825104	〃 〃 0.1μF
C2861	36526334	Tantalum 35WV 0.33μF
C2842, 2843, 2852	36526105	〃 〃 1μF
C2844	36526255	〃 〃 2.2μF
C2851	36526335	〃 〃 3.3μF
C2850	36916337	〃 6.3WV 330μF
C2862~2865	32821102	Feed thru 50WV 0.001μF
C2833, 2835, 2836	36824331	Styrol 〃 330PF
C2845	34220475	Electrolytic 16WV TW 4.7μF
C2826	34220106	〃 〃 〃 10μF
C2825	34220336	〃 〃 〃 33μF
C2824	34220476	〃 〃 〃 47μF
C2809, 2838, 2841, 2854, 2855, 2857, 2858, 2866	34220337	〃 〃 〃 330μF (CE04 RVC 16WV 330μF)
C2870	34220108	〃 〃 〃 1000μF
		TRIMMER CAPACITOR
TC2801	39000073	ECV-1ZW 40x53 40PF
		INDUCTOR
L2802,2805,2807	53020001	Micro inductor FL-5H 1mH
L2803, 2804	53020014	〃 〃 FL-4H 1.8μH
L2801	53020027	〃 〃 FL-5H 270μH
L2806	55003069	〃 〃 35μH . #220012
		TRANSFORMER
T2801	55003223	#220332A

COUNTER UNIT

Symbol No.	Parts No.	Description
	017291AZ	Counter/Display unit assembly
PB-1729A	60417291	P.C. Board
		IC, FET & TRANSISTOR
Q2920, 2921	25000144	IC F40192
Q2919	25000143	IC MC1416P
Q2916	25000114	IC MC14011B
Q2911	25000138	IC MSL980-Y7
Q2910	25000139	IC MSL980-Y4
Q2917, 2922, 2923	25000085	IC MSM561
Q2918	25000084	IC MSM5501
Q2912	25000080	IC MSM5564
Q2925	25000175	IC NJM78L08
Q2913	25000140	IC SN74LS00N
Q2914	25000141	IC SN74LS04N
Q2915	25000072	IC SN74LS90N
Q2903	25000104	IC SN76514N
Q2924	25000109	IC μPC14305
Q2902	22890017	FET JF1033B
Q2901	23800401	FET 3SK40M
Q2909	22107330	Transistor 2SA733
Q2904, 2905	22307853	Transistor 2SC785O
Q2906~2908	22309450	Transistor 2SC945
		DIODE
D2901~2907	21015550	Silicon 1S1555
		CRYSTAL
X2901	71800105	HC-18/U 18.5MHz #210045-2
X2902	71800106	HC-18/U 18.0MHz #210045-1
X2903	71400001	HC-14/W 655.36kHz #210025
		RESISTOR
R2954	42124100	Carbon composition 1/2W 10Ω
R2932~2953	40143101	Carbon film RD 1/4F 100Ω
R2909, 2912	40143221	〃 〃 〃 〃 220Ω
R2915, 2918	40143331	〃 〃 〃 〃 330Ω
R2903, 2906, 2928	40143471	〃 〃 〃 〃 470Ω
R2904	40143152	〃 〃 〃 〃 1.5kΩ
R2907, 2910	40143222	〃 〃 〃 〃 2.2kΩ
R2919, 2920, 2922, 2925	40143332	〃 〃 〃 〃 3.3kΩ
R2911	40143472	〃 〃 〃 〃 4.7kΩ
R2908	40143562	〃 〃 〃 〃 5.6kΩ
R2902, 2913, 2914, 2916, 2917	40143153	〃 〃 〃 〃 15kΩ
R2924, 2926,	40143473	〃 〃 〃 〃 47kΩ
R2931	40143473	Carbon film RD 1/4F 47kΩ
R2901, 2905, 2927	40143104	〃 〃 〃 〃 100kΩ
R2929	40143105	〃 〃 〃 〃 1MΩ
R2930	40143225	〃 〃 〃 〃 2.2MΩ
		BLOCK RESISTOR
RB2901	47000004	RK1/16B8R 4.7kΩK
		CAPACITOR
C2901	31829080	Ceramic disc 50WV 8PF SL
C2903, 2911	31829330	〃 〃 〃 33PF SL
C2916, 2919	31827820	〃 〃 〃 82PF UJ
C2922, 2923	31820510	〃 〃 〃 51PF CH
C2905, 2915, 2918	31820101	〃 〃 〃 100PF CH
C2902, 2904, 2906~2910, 2912, 2913, 2917, 2920, 2947, 2948	30820103	〃 〃 〃 0.01μF
C2929, 2931 2952	30820473	〃 〃 〃 0.047μF
C2926	33824331	Dipped mica 〃 330PF
C2927	36825332	Mylar 〃 0.0033μF
C2950	36825102	〃 〃 0.001μF
C2924	36825473	〃 〃 0.047μF
C2914, 2930, 2949	36226106	Tantalum 16WV 10μF
C2932~2945	32821102	Feed thru 50WV 0.001μF
C2925, 2928	36824331	Styrol 25WV 330PF
C2946	36326685	Noise limiter 20WV 6.8μF
C2951	34220477	Electrolytic 16WV 470μF
C2953, 2954	36526105	Tantalum 35WV 1μF
		RECEPTACLE
J2901	67160002	Pin connector 5049-16A 16P
J2902	68020001	CN 7017
		VARIABLE CAPACITOR
VC2901	39000072	TSN-120SX 10PFx2
		TRANSFORMER
T2901, 2902	52000064	8X377004 13MHz #220306
		INDUCTOR
L2901	55020025	Micro inductor FL-5H 33μH
L2902	55003001	Noise filter coil SN8S500

DISPLAY BOARD

Symbol No.	Parts No.	Description
PB-1730	60417300	P.C. Board
		DISPLAY LED
DS3001~3006	21090135	HP5082-7740
		SOCKET
QS3001~3006	68140005	314-AG-37D
	67200003	Board joint 163740

DIODE SWITCH BOARD

Symbol No.	Parts No.	Description
	017261AZ	Diode switch board with components
PB-1726A	60417261	P.C. Board
		FET
Q3101, 3102	22800195	2SK19GR
		DIODE
D3102	21010070	Germanium 1S1007
D3101, 3103	21015550	Silicon 1S1555
		RESISTOR
R3101	40143151	Carbon film 1/4W VJ 150Ω
R3105~3107	40143561	〃 〃 〃 〃 560Ω
R3110	40143102	〃 〃 〃 〃 1kΩ
R3108	40143222	〃 〃 〃 〃 2.2kΩ
R3109	40143332	〃 〃 〃 〃 3.3kΩ
R3102~3104	40143103	〃 〃 〃 〃 10kΩ
		CAPACITOR
C3104, 3105, 3109~3112	30820103	Ceramic disc 50WV 0.01μF
C3113	30820473	〃 〃 〃 0.047μF
C3101, 3103	33824471	Dipped mica 50WV 470PF
C3102	33824102	〃 〃 〃 1000PF
C3106, 3107, 3108	34220106	Electrolytic 16WV TW 10μF

Symbol No.	Parts No.	Description
		INDUCTOR
L3101, 3102		Micro inductor FL-4H 22μH
L3103	53020027	Micro inductor FL-5H 270μH
	91100008	Wrapping terminal C

DC-DC CONVERTER UNIT

Symbol No.	Parts No.	Description
		TRANSISTOR
Q3201, 3202	22290020	T20A6 with insulator
		RESISTOR
R3202	43104332	Wire wound 1W 3.3Ω
R3201	43504221	Metallic film 5W 220Ω
		CAPACITOR
C3202	38235473	Metallized paper 150WV 0.047μF
C3201	34320227	Electrolytic 25WV 220μF
		CONNECTOR
P3201	68090038	AC9M

ACCESSORIES

Symbol No.	Parts No.	Description
	77000008	Microphone YE7A with Microphone hanger screws.
	67040001	Microphone plug FM-144P
	96000033	AC Power cord #240036
	67120009	Power plug QS-A-P12FL
	96000034	DC Power cord #240037
	67120009	Power plug QS-A-P12FL
	69000002	Fuse holder SN1102
	73000007	Fuse 20A
	67030001	Key plug SH3603
	67020002	Phone plug SH3001
	67020003	External speaker plug P2240
	67020005	Antenna plug SO259
	67110007	ACC plug PA-602B 01
	67020001	RCA pin plug CN7017
	73000004	Fuse 5A (100V~117V)
	73000003	3A (200V~234V)

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